| AMENDMENT OF SOLICITATION/MODIFICA  | ATION OF C  | ONTRACT  |  | 1. CONTRACT ID CODE  | 1  | PAGE OF                                       | I .                                     |
|---|---|--|--|--|--|---|---|
| 2. AMENDMENT/MODIFICATION NO.   | 3. EFFECTIVI  | DATE   | 4. REQ   | UISITION/PURCHASE REQ. NO.   | 5. PRO                                   | JECT NO                                       | ). (If applicable)                      |
| 0021  | See Blo   | ck 160   | See  | Schedule   |  |   | , |
| 6. ISSUED BY CODE   | RTPPOD  | 011 100  | 7. ADI   | MINISTERED BY (If other than Item 6)   | CODE                                     | Τ   |   |
| RTPPOD<br>US Environmental Protection<br>109 T.W. Alexander Drive<br>Mail Code: E105-02<br>Research Triangle Park NC 27   |   |  |  |  |  | <u> </u>                                      |   |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street,   | county State and  | I ZIP Code)  | IQA  | AMENDMENT OF SOLICITATION NO.  |  |   |   |
| INDUSTRIAL ECONOMICS, INCORPO<br>2067 MASS AVE STE 4<br>CAMBRIDGE MA 021401340  | •   | Zir Godey  | 9B.<br>× 10/EF   | DATED (SEE ITEM 11)  . MODIFICATION OF CONTRACT/ORDER NO $-D-14-032$   | ).                                       |   |   |
| 0005  | I = 1 = 1 = 2 = 2   |  | - 1  | DATED (SEE ITEM 13)  |  |   |   |
| CODE 007977887  | FACILITY CO   | DE   | 0  | 9/12/2014  |  |   |   |
|   | 11. THIS IT   | EM ONLY APPLIES TO A   | MENDM  | ENTS OF SOLICITATIONS  |  |   |   |
| separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF C virtue of this amendment you desire to change an offer reference to the solicitation and this amendment, and i 12. ACCOUNTING AND APPROPRIATION DATA (If requ See Schedule  13. THIS ITEM ONLY APPLIES TO MO | oies of the amer<br>to the solicitation<br>DFFERS PRIOR<br>r already submi<br>is received prior<br>uired) | ndment; (b) By acknowled and amendment number TO THE HOUR AND DA ted, such change may be to the opening hour and Net | ging receives. FA<br>TE SPE<br>e made l<br>date spe<br>Inc | eipt of this amendment on each copy of the offit<br>ILURE OF YOUR ACKNOWLEDGEMENT TO<br>CIFIED MAY RESULT IN REJECTION OF YOU<br>by telegram or letter, provided each telegram or<br>cified. | er subm<br>BE REC<br>JR OFFI<br>letter m | itted; or (c<br>EIVED AT<br>ER If by<br>nakes | c) By                                   |
|   | T/ORDER IS M<br>IN ITEM 14, P   | ODIFIED TO REFLECT I<br>JRSUANT TO THE AUTH  | HE ADM   | ES SET FORTH IN ITEM 14 ARE MADE IN TH<br>MINISTRATIVE CHANGES (such as changes in<br>DF FAR 43.103(b).  |  |   |   |
| D. OTHER (Specify type of modification a  | and authority)  |  |  |  |  |   |   |
| 1 '' ''   |   | Clause G.4 C   | ontr.  | act Administration Repre   | seen.                                    | tatiw   | AS                                      |
| E. IMPORTANT: Contractor 🗵 is not,  |   | to sign this document and  |  | copies to the issuing  |  | Caciv   |   |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (ODUNS Number: 007977887)  'Benefits and Other Relevant Pollution Control Policies."  Max Expire Date: 09/15/2019  The purpose of this modificate S229,653.00. All other terms  | Organized by U  | CF section headings, income section Methods  | duding so  | relopment for Evaluation   | e.)                                      |   | ount of                                 |
| CIST OF CHANGES: Reason for Modification: Fur Cotal Amount for this Modific New Total Amount for this Ver Continued Except as provided herein, all terms and conditions of the  | cation:<br>rsion: \$  | \$0.00<br>1,946,876.88   | , as her   | etofore changed, remains unchanged and in fu<br>IAME AND TITLE OF CONTRACTING OFFICE   |  |   |   |
|   |   |  | Nat  | alia Fisher-Jackson  |  |   |   |
| 15B. CONTRACTOR/OFFEROR   |   | 15C. DATE SIGNED   |  | NITED STATES OF AMERICA  | ECTROI<br>GNATU                          | HIC   | 5/25/2017                               |
| (Signature of person authorized to sign)  | _   |  |  | (Signature of Contracting Officer)   |  |   | J, 20, 2011                             |

| CONTINUATION CHEET | REFERENCE NO. OF L. JUMENT BEING CONTINUED | PAGE | OF |
|--------------------|--|------|----|
| CONTINUATION SHEET | EP-D-14-032/0021                           | 2    | 6  |

NAME OF OFFEROR OR CONTRACTOR

| ITEM NO. | SUPPLIES/SERVICES                               | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|----------|---|----------|------|------------|--------|
| (A)      | (B)   | (C)      | (D)  | (E)        | (F)    |
|          | New Total Amount for this Award: \$9,735,887.33 |          |      |            |        |
|          | Obligated Amount for this Modification:         |          |      |            |        |
|          | \$229,653.00                                    |          |      |            |        |
|          | New Total Obligated Amount for this Award:      |          |      |            |        |
|          | \$2,828,376.41                                  | - 1      |      |            |        |
|          | Incremental Funded Amount changed: from         |          |      |            |        |
|          | \$2,598,723.41 to \$2,828,376.41                |          |      | <i>'</i>   |        |
|          | CHANGES FOR LINE ITEM NUMBER: 3                 |          |      |            |        |
|          | Obligated Amount for this modification:         |          |      |            |        |
|          | \$229,653.00                                    |          |      |            |        |
|          | Incremental Funded Amount changed from          |          |      |            |        |
|          | \$1,671,966.98 to \$1,901,619.98                | 1        |      |            |        |
|          | NEW ACCOUNTING CODE ADDED:                      |          |      |            |        |
|          | Account code:                                   |          |      |            |        |
|          | 17-18-B-53J4-101A46-2505-1753JP7009-001         |          |      |            |        |
|          | Beginning FiscalYear 17                         |          |      |            |        |
|          | Ending Fiscal Year 18                           |          |      |            |        |
|          | Fund (Appropriation) B                          | 1        |      |            |        |
|          | Budget Organization 53J4                        |          |      |            |        |
|          | Program (PRC) 101A46                            |          |      |            |        |
|          | Budget (BOC) 2505                               |          | İ    |            | •      |
|          | Job # (Site/Project)                            |          |      | ,          |        |
|          | Cost Organization                               |          |      |            |        |
|          | DCN-LineID 1753JP7009-001                       |          |      |            |        |
|          | Quantity: 0                                     |          |      |            |        |
|          | Amount: \$44,791.00                             |          |      |            |        |
|          | Percent: 2.30066                                |          |      |            |        |
|          | Subject To Funding: N                           |          |      |            |        |
|          | Payment Address:                                |          | 1    |            |        |
|          | RTP Finance Center                              |          |      |            | •      |
|          | US Environmental Protection Agency              |          |      |            |        |
|          | RTP-Finance Center (AA216-01)                   |          | ı    |            |        |
|          | 109 TW Alexander Drive                          |          |      |            |        |
|          | www2.epa.gov/financial/contracts                |          | 1    |            |        |
|          | Durham NC 27711                                 |          |      |            |        |
|          |   |          |      |            |        |
|          | NEW ACCOUNTING CODE ADDED:                      |          |      |            |        |
|          | Account code:                                   |          |      |            |        |
|          | 17-18-B-58F3-101A46-2505-1758FC7086-001         |          |      | ]          |        |
|          | Beginning FiscalYear 17                         | 1        |      |            |        |
|          | Ending Fiscal Year 18                           |          |      |            |        |
|          | Fund (Appropriation) B                          |          | 1    | ]          |        |
|          | Budget Organization 58F3                        |          |      | 1          |        |
|          | Program (PRC) 101A46                            |          |      | [ [        |        |
|          | Budget (BOC) 2505                               |          |      |            |        |
| ,        | Job # (Site/Project)                            |          |      |            |        |
|          | Cost Organization                               |          |      |            |        |
|          | DCN-LineID 1758FC7086-001                       | 1        |      |            |        |
|          | Continued                                       |          |      |            |        |
|          |   |          |      |            |        |
|          |   |          |      |            |        |
|          |   |          | 1    |            |        |

| CONTINUATION SUEET | REFERENCE NO. OF D. MENT BEING CONTINUED | PAGE | OF |
|--------------------|--|------|----|
| CONTINUATION SHEET | EP-D-14-032/0021                         | 3    | 6  |

NAME OF OFFEROR OR CONTRACTOR

| ITEM NO.    | SUPPLIES/SERVICES  | QUANTI                                  | TY UNIT | UNIT PRICE | AMOUNT |
|-------------|--|---|---------|------------|--------|
| (A)         | (B)  | (C)                                     | (D)     | (E)        | (F)    |
|             | Quantity: 0  |   | 1       |            |        |
|             | Amount: \$99,653.00  |   |         |            |        |
|             | Percent: 5.11861   |   |         |            |        |
|             | Subject To Funding: N  |   |         |            |        |
|             | Payment Address:   |   |         |            |        |
|             | RTP Finance Center   |   |         |            |        |
|             | US Environmental Protection Agency   |   |         | 1          |        |
|             | RTP-Finance Center (AA216-01)  |   |         |            |        |
|             | 109 TW Alexander Drive   |   |         | ×          | •      |
|             | www2.epa.gov/financial/contracts   |   |         |            |        |
|             | Durham NC 27711  |   |         |            |        |
|             | Bulliam NC 27711   |   |         |            |        |
|             | NEW ACCOUNTING CODE ADDED:   |   |         |            |        |
|             | Account code:  |   |         |            |        |
|             | 17-18-C-56H6-102A61-2505-1756H7E009-001  |   | 1 1     |            |        |
|             | I control of the cont | İ                                       |         |            |        |
|             | Beginning FiscalYear 17  |   |         |            |        |
|             | Ending Fiscal Year 18  |   |         |            |        |
|             | Fund (Appropriation) C   |   |         |            |        |
|             | Budget Organization 56H6   | - 1                                     |         |            | •      |
|             | Program (PRC) 102A61   |   |         |            |        |
|             | Budget (BOC) 2505  | l                                       |         |            |        |
|             | Job # (Site/Project)   |   |         |            |        |
|             | Cost Organization  |   |         |            |        |
|             | DCN-LineID 1756H7E009-001  |   |         |            |        |
|             | Quantity: 0  |   | 1       |            |        |
|             | Amount: \$50,000.00  |   | 1 1     |            |        |
|             | Percent: 2.56822   |   |         | 1          |        |
|             | Subject To Funding: N  | •                                       |         |            |        |
|             | Payment Address:   |   |         |            |        |
|             | RTP Finance Center   |   |         |            |        |
|             | US Environmental Protection Agency   |   |         | 1          |        |
|             | RTP-Finance Center (AA216-01)  |   |         |            |        |
|             | 109 TW Alexander Drive   |   |         |            |        |
|             | www2.epa.gov/financial/contracts   |   |         |            |        |
|             | Durham NC 27711  |   |         |            |        |
|             |  |   |         |            |        |
|             | NEW ACCOUNTING CODE ADDED:   |   |         |            |        |
|             | Account code:  |   |         |            |        |
|             | 17-18-C-56H6-102A61-2505-1756H7E021-001  |   |         |            |        |
|             | Beginning FiscalYear 17  |   |         |            |        |
|             | Ending Fiscal Year 18  |   |         |            |        |
|             | Fund (Appropriation) C   |   |         |            |        |
|             | Budget Organization 56H6   |   |         |            |        |
|             | Program (PRC) 102A61   |   |         |            |        |
|             | Budget (BOC) 2505  |   |         |            |        |
|             | Job # (Site/Project)   |   |         |            |        |
|             | Cost Organization  |   |         |            |        |
|             | DCN-LineID 1756H7E021-001  |   |         |            |        |
|             | Continued  |   |         |            |        |
|             |  |   |         |            |        |
|             |  |   |         |            |        |
|             |  | ŀ                                       |         |            |        |
|             |  | 1                                       |         | 1          |        |
| 540-01-152- | 2007   | • |         |            |        |

CONTINUATION SHEET EP-D-14-032/0021

REFERENCE NO. OF

JMENT BEING CONTINUED

PAGE 4

OF 6

NAME OF OFFEROR OR CONTRACTOR

| INO. | SUPPLIES/SERVICES                       | QUANTITY |     | UNIT PRICE | AMOUNT |
|------|---|----------|-----|------------|--------|
| 7)   | (B)                                     | (C)      | (D) | (E)        | (F)    |
|      | Quantity: 0                             |          |     |            |        |
|      | Amount: \$30,000.00                     | i        |     |            |        |
|      | Percent: 1.54093                        |          |     |            |        |
|      | Subject To Funding: N                   |          |     |            |        |
|      | Payment Address:                        |          |     |            |        |
|      | RTP Finance Center                      |          |     |            |        |
|      | US Environmental Protection Agency      |          |     |            |        |
|      | RTP-Finance Center (AA216-01)           |          |     |            |        |
|      | 109 TW Alexander Drive                  |          | 1 1 |            |        |
|      | www2.epa.gov/financial/contracts        | 1        | 1 1 |            |        |
|      | Durham NC 27711                         |          | 1   |            |        |
|      | Daridam No 27711                        |          | Ш   |            |        |
|      | NEW ACCOUNTING CODE ADDED.              |          |     |            |        |
|      | NEW ACCOUNTING CODE ADDED:              | I        |     |            |        |
|      | Account code:                           | 1        |     |            |        |
|      | 17-18-B-53J4-101A46-2505-1753JP7006-001 |          |     |            |        |
|      | Beginning FiscalYear 17                 |          |     |            |        |
|      | Ending Fiscal Year 18                   |          |     |            |        |
| ,    | Fund (Appropriation) B                  |          |     |            |        |
|      | Budget Organization 53J4                |          |     |            |        |
|      | Program (PRC) 101A46                    | /        | 1   | ·          |        |
|      | Budget (BOC) 2505                       |          |     |            |        |
|      | Job # (Site/Project)                    |          |     |            |        |
|      | Cost Organization                       |          |     |            |        |
|      | DCN-LineID 1753JP7006-001               |          |     |            |        |
|      | Quantity: 0                             |          |     |            |        |
|      | Amount: \$5,209.00                      |          |     |            |        |
|      | Percent: .26756                         |          |     |            |        |
|      | Subject To Funding: N                   |          |     |            |        |
|      | Payment Address:                        |          |     |            |        |
|      | RTP Finance Center                      | İ        |     |            |        |
|      | US Environmental Protection Agency      |          |     |            |        |
|      | RTP-Finance Center (AA216-01)           |          |     |            |        |
|      | 109 TW Alexander Drive                  |          |     |            |        |
|      | www2.epa.gov/financial/contracts        |          |     |            |        |
|      | Durham NC 27711                         |          |     | •          |        |
|      |   |          |     | /          |        |
|      |   |          |     | ļ.,        |        |
|      | Delivery Location Code: OAR/OAQPS       |          |     |            |        |
|      | OAR/OAQPS                               |          |     |            |        |
|      | US Environmental Protection Agency      |          |     |            |        |
|      | Mail Code: C404-04                      |          |     |            |        |
|      | 109 T.W. Alexander Drive                |          |     | -          |        |
|      | Durham NC 27711 USA                     |          |     |            |        |
|      | Bulliam No 27711 out                    |          |     |            |        |
|      | 1                                       |          |     |            |        |
|      | ·                                       |          |     |            |        |
|      |   |          |     |            |        |
|      | Continued                               | - 1      |     |            |        |
|      | ,                                       |          | 1   |            |        |
|      |   |          | 1   |            |        |
|      |   |          | 1   |            |        |
|      |   | 1        | 1   |            |        |
|      | · · · · · · · · · · · · · · · · · · ·   |          | 1   | 1          |        |

| CONTINUESTION SHEET | REFERENCE NO. OF DL MENT BEING CONTINUED | PAGE ( | OF. |
|---------------------|--|--------|-----|
| CONTINUATION SHEET  | EP-D-14-032/0021                         | 5      | 6   |

NAME OF OFFEROR OR CONTRACTOR

| rem no. | SUPPLIES/SERVICES  | QUANTITY |     | UNIT PRICE | AMOUNT |
|---------|--|----------|-----|------------|--------|
| (A)     | (B)  | (C)      | (D) | (E)        | (F)    |
|         | Payment:  RTP Finance Center  US Environmental Protection Agency  RTP-Finance Center (AA216-01)  109 TW Alexander Drive  www2.epa.gov/financial/contracts  Durham NC 27711 |          |     |            |        |
|         | FOB: Destination   |          |     |            |        |
|         |  |          |     |            |        |
|         |  | İ        |     |            | -      |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     | İ          |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
| ļ       |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            | •      |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |
|         |  |          |     |            |        |

1. The Section B Clauses entitled: B.1 "LEVEL OF EFFORT – COST REIMBURSEMENT TERM CONTRACT" EPAAR 1552.211-73; B.3 "ESTIMATED COST AND FIXED FEE "(EP 52.216-190) (APR 1984) and B.4 "LIMITATION OF FUNDS NOTICE" (EP 52.232-100) (APR 1984) are modified and combined in the "CLAUSE RECAPITULATION"

## The text is as follows:

<u>LIMITATION OF FUNDS NOTICE /RECAPITULATION</u> In accordance with the "Limitation of Funds" Clause, additional funding is being provided for **option period II** by this modification. The "Limitation of Funds Notice" Clause of the contract is modified as follows to reflect the current amounts allotted for cost and fee and the periods for which the funding is estimated to cover:

| Base Period  | Prior Amount   | This Mod         | New Amount     |
|--|----------------|------------------|----------------|
| Estimated Cost<br>Fixed Fee<br>Cost Plus Fixed Fee       | \$746,746.76   |                  | \$746,746.76   |
| Allotted Cost<br>Reserved for Fee<br>Limitation of Funds | \$181,808.59   | \$0.00           | \$181,808.59   |
| Option Period 1  | Prior Amount   | This Mod         | New Amount     |
| Estimated Cost<br>Fixed Fee                              |                | \$0.00<br>\$0.00 |                |
| Cost Plus Fixed Fee                                      | \$1,219,845.06 | \$0.00           | \$1,219,845.06 |
| Allotted Cost<br>Reserved for Fee<br>Limitation of Funds | \$744,947.87   | \$0.00           | \$744,947.87   |
| Option Period 2  | Prior Amount   | This Mod         | New Amount     |
| Estimated Cost<br>Fixed Fee                              |                | \$0.00<br>\$0.00 |                |
| Cost Plus Fixed Fee                                      | \$1,946,876.88 | \$0.00           | \$1,946,876.88 |
| Allotted Cost<br>Reserved for Fee                        |                |                  |                |
| Limitation of Funds                                      | \$1,671,966.99 | \$229,653.00     | \$1,901,619.99 |